, International application No.

PCT/AU2004/000970

				PC17AU2004	/000970
A.	CLASSIFICATION OF SUBJECT MATT	ER			
Int. Cl. 7;	B63H 3/04, 20/14, F16H 25/20				
According to	International Patent Classification (IPC) or	to both	national classification and IPC		
В.	FIELDS SEARCHED				
Minimum doc	cumentation searched (classification system follow	wed by c	lassification symbols)		
Documentano	n searched other than minimum documentation t	o the ext	tent that such documents are included	in the fields search	hed
Electronic dat	a base consulted during the international search (: B63H (all), B64C 11/(all) with keywork	(name of	data base and, where practicable, se	arch terms used)	(20)
C.			opener, pitch, adjust, push, loc	ok, surface, inci	ine)
	DOCUMENTS CONSIDERED TO BE RELE	VANT		· · · · · · · · · · · · · · · · · · ·	
Category*	Citation of document, with indication, w	here ap	propriate, of the relevant passage	S	Relevant to claim No.
A	SU 716906 A (DUBINSKII ET AL.)	25 Fe	bruary 1980		
	TTG 4047774				
A	US 5967753 A (MULLER) 19 Octob	ber 199	9		
A	US 4643643 A (OTTO) 17 February	,			· · ·
•	12 (0110) 1, 1001441,				
		•			
A	US 3912417 A (HERBERT) 14 Octo	ober 19	75		
	,				
<u> </u>					
	Further documents are listed in the cont	tinuatio	on of Box C X See pa	atent family ann	ex
"A" docum	al categories of cited documents:		later document published after the interna		
	nsidered to be of particular relevance		conflict with the application but cited to underlying the invention	•	•
	application or patent but published on or after the ational filing date		document of particular relevance; the cla or cannot be considered to involve an in		
"L" docum	nent which may throw doubts on priority claim(s)	"Y"	alone document of particular relevance; the cla		
anothe	ich is cited to establish the publication date of er citation or other special reason (as specified)		involve an inventive step when the docur such documents, such combination being	nent is combined with cobvious to a person :	one or more other skilled in the art
or othe	nent referring to an oral disclosure, use, exhibition	"&"	document member of the same patent far	nily	•
"P" docum	nent published prior to the international filing date ter than the priority date claimed				
	ctual completion of the international search		Date of mailing of the internation	•	
31 August	2004 ailing address of the ISA/AU	•			1 3 SEP 2004
	AN PATENT OFFICE		Authorized officer		•
PO BOX 200), WODEN ACT 2606, AUSTRALIA ss: pct@ipaustralia.gov.au		ZBIGNIEW BIELAWSI	α	
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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to
	o-mion of document, with indication, where appropriate, of the relevant passages	claim No.
. A	US 2981338 A (T. HINDMARCH) 25 April 1961	
. ,		

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Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This interna reasons:	tional search report has not been established in respect of certain claims under Article 17(2)(a) for the following
1.	Claims Nos.:
	because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos.:
	because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3.	Claims Nos.:
	because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Internation See the	ational Searching Authority found multiple inventions in this international application, as follows: Extra sheet
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. X	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.: 1-12 and 43-50
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark o	Protest The additional search fees were accompanied by the applicant's protest.
	X No protest accompanied the payment of additional search fees.

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Supplemental Box

(To be used when the space in any of Boxes I to VIII is not sufficient)

Continuation of Box No: III

The international application does not comply with the requirements of unity of invention because it does not relate to one invention or to a group of inventions so linked as to form a single general inventive concept. In coming to this conclusion the International Searching Authority has found that there are different inventions as follows:

- 1. Claims 1-12 are directed to a marine propulsion system wherein <u>rotating a screw threaded nut moves a push</u> member which in turn moves a propeller blade coupling mechanism therefore adjusting the blade's pitch. It is considered that the underlined features comprise a first "special technical feature".
- 2. Claims 13-26 are directed to a marine propulsion system comprising emergency pitch adjuster (comprising a number of features) setting a propeller blade's pitch to a predetermined position in the event of a control mechanism breakdown. It is considered that said emergency pitch adjuster comprises a second "special technical feature".
- 3. Claims 27-42 are directed to a stern drive comprising a driver for rotating a control shaft via twin gears set interconnected via a flexible drive element to adjust a propeller blade's pitch. It is considered that the underlined features comprise a third "special technical feature".
- 4. Claims 43-50 are directed to a propeller comprising a propeller blade's pitch adjusting mechanism rotating the blade's base and the base unlocking/locking mechanism. It is considered that said unlocking/locking mechanism comprises a fourth "special technical feature".
- 5. Claims 51-66 are directed to a marine propulsion system comprising a blade supporting mechanism comprising an eccentric in engagement with a pin and blade's biasing element for biasing the eccentric and the pin to an equilibrium position wherein a pitch adjusting mechanism adjust the blade's pitch via the eccentric whereupon the biasing element locks the blades in the adjusted position. It is considered that said blade supporting mechanism comprises a fifth "special technical feature".

Since the abovementioned groups of claims do not share any of the technical features identified, a "technical relationship" between the inventions, as defined in PCT rule 13.2 does not exist. Accordingly the international application does not relate to one invention or to a single inventive concept, a priori.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/AU2004/000970

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member					
SU	716906						
US	5967753	EP	0990585				
US	4643643	DE	3417853	GB	2158887	JP	60255598
		NL	8501384	SE	8502372		
US	3912417						

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX